

Abstract

As a method of promoting natural HDR and curing disc herniation an apparatus is provided for shortening the time period of HDR, by ultrasonic irradiation. The apparatus is equipped with at least one ultrasonic transducer, an ultrasonic oscillator and mount means for mounting the ultrasonic transducer to an bone joint site, and is means for irradiating ultrasonic waves of 1.3 to 2MHz in frequency, 100 to 1,000Hz in repetition frequency, 10 to 2000 μ s in burst width and 100mW/cm² or less in power (SATA: Spatial Average-Temporal Average).